

NONPOINT SOURCE TIMES

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Summer 2005

Great Works River

News Release: Citizens Enjoy the April 30 Great Works River Community Forum

On Saturday April 30th, 38 citizens living and working in the Great Works River watershed combined efforts with 13 environmental professionals from partnering groups and agencies to discuss critical watershed issues. The Great Works River watershed covers 84 square miles in the towns of Sanford, North Berwick, Berwick, South Berwick, Wells, and York. The river was identified in a 1999 Total Maximum Daily Load (TMDL) report for contributing high amounts of phosphorus to the downstream Salmon Falls River and Estuary. Since 2000, three watershed surveys have been conducted and a watershed management plan is in the works.



The forum participants included local town council members, river abutters, and landowners from Bauneg Beg Pond which is an impounded lake on a section of the river. The participants witnessed an overview of the watershed and work to date by Forrest Bell, a subcontractor for the York County Soil and Water Conservation District. Afterward, facilitators led groups of 6-8 citizens in discussion on what important water quality, wildlife habitat, recreation, and land development issues need to be addressed in the watershed. Next, the break-out groups listed and prioritized potential solutions for the issues and presented them to the entire group. These issues and solutions will be incorporated into the *Great Works River Watershed Management Plan* being developed by YCSWCD in cooperation with a growing volunteer watershed group, the Great Works River Watershed Coalition.

The community forum was a great way to build on the momentum that has been gained through four years of watershed work that has been funded by the Maine Department of

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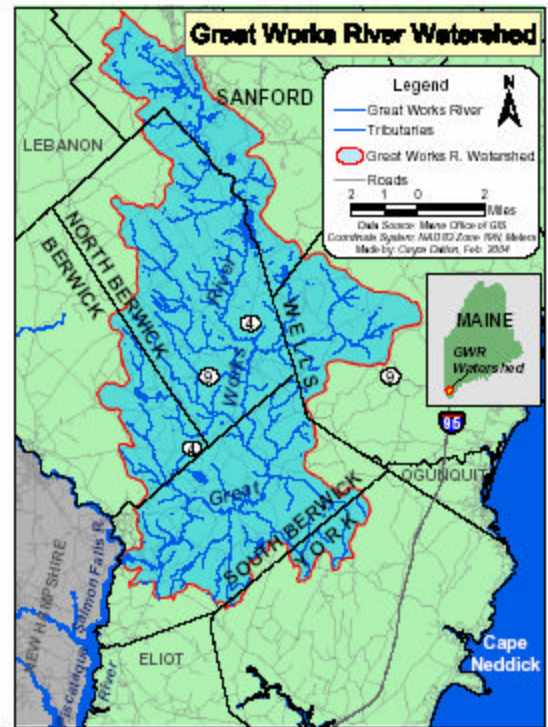
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Environmental Protection 319 program and the Maine State Planning Office Shore Stewards program. The completed forum evaluations revealed that everyone learned a great deal and appreciated the effort put forth by the project planning team. Most importantly though, they revealed that they truly enjoyed their five hours strategizing with other citizens with an appreciation for local water resources.

Submitted by Forrest Bell. For more information contact Forrest at www.fbenvironmental.com or 207-650-7597 or visit <http://www.gwrwc.org/>

(Editors Note: Established in 2001, the Great Works River Watershed Coalition is a citizen-driven and agency-supported effort whose mission is to help improve and protect the water quality of the Great Works River and its tributaries.)



New Maine Stormwater Management Rules

After 8 years, Maine Stormwater Management Law and regulation are being revised. Proposed changes have been approved by the Maine Legislature and will be brought to the Board of Environmental Protection this fall for final adoption. The rules will likely become effective in October or November 2005.

To assist those who need to know about the upcoming changes to the stormwater program, the Department of Environmental Protection is offering a half-day training session. DEP staff will discuss how the permit application process will change or well as what will be needed to meet the new permit standards.

Visit the following website for the new rules, for other information concerning their progress through the Legislature and for other useful tools for its implementation

<http://www.maine.gov/dep/blwq/docstand/stormwater/rule500and502/material.htm>

Also, join us this summer at one of our training sessions to become familiar with the rules requirements and to receive answers to your question and concerns.

Dates and Locations

July 13	Portland Holiday Inn West
July 27	Augusta Civic Center
August 10	Bangor Ramada Inn
August 31	Portland Holiday Inn West

FMI - contact Bill Laflamme 207-287-7726.

Stormwater Program Changes - Another Step Closer

May 19, 2005

Revisions to Maine's Stormwater Management Law and Rules took a major step forward in May when the Maine Legislature's Joint Standing Committee on Natural Resources endorsed them with a unanimous "ought to pass" vote. The vote followed a rather uneventful hearing and work session in which only two people gave oral testimony (one in favor and one "neither for nor against"). Final passage is expected to occur by early June.

The highlights of the rule changes include a change in the threshold for jurisdiction and the application of water quality standards in all watersheds. The threshold for needing a permit currently is set at 20,000 square feet or 1 acre of impervious area, depending on whether or not the watershed is designated either "most at risk" or "sensitive or threatened," or 5 acres of disturbed land. If not designated in either of those categories, a development project is not required to meet water quality standards. Under the new program, the threshold in all instances will be 1 acre of disturbance, which is the same as the threshold under the federally mandated construction general permit, also administered by the Maine DEP.

The standards that apply will depend on the amount of impervious area, and whether or not the watershed is impaired, or in the case of lakes, designated as "most at risk" (lakes are the only water resources which will still be subject to the "most at risk designation"). Smaller projects will only need to do "Basic" standards which consist of erosion and sedimentation control, inspection and maintenance, and follow good housekeeping practices. Larger projects will need to meet "General Standards" and will have a choice of several Best Management Practices designed to address both water quantity and quality concerns. These standards will apply in all watersheds. Additional requirements will also apply for larger, Site Law sized projects.

The changes in statute are expected to become effective 90 days after the Legislature adjourns (mid to late September). After that, final approval of rule changes will still need to be made by the Board of Environmental Protection, so the effective date for all of the changes will likely occur late in 2005.

For more information on the changes, visit Maine DEP's web page at: <http://www.maine.gov/dep/blwq/docstand/stormwater/index.htm> or contact either Judy Gates at 287-7691 (e-mail: judy.gates@maine.gov) or Don Witherill at 287-7725 (e-mail: donald.t.witherill@maine.gov).



Comprehensive Planning Update

LD 286 resolved. On Friday, May 13, the Legislature's Natural Resources Committee voted unanimously (of those present) to change LD 286 (the bill that would have eliminated the State Planning Office) to a resolve. The resolve directs SPO to conduct a review of comprehensive planning and growth management in Maine and to deliver a final report, along with any proposed legislation, to the committee by February 1, 2006. The review process will include: 1) an assessment of procedures, policies, and rules for reviewing comprehensive plans and growth management programs; 2) an assessment of local efforts to implement the growth management laws, including an assessment of state efforts to support the laws and clarification of the state's role in ensuring compliance with state land use law and policy; and 3) the development of options for improving comprehensive planning statewide. SPO has already begun fleshing out the review process and elements. Public workshops, focus groups, and stakeholder outreach are being planned as part of the process. The study will take place over the summer and fall. Contact: Sue Inches at 287-2989 or sue.inches@maine.gov

Natural Resources Institute

Natural Resources Institute (NRI), a week-long (August 1-5, 2005), intensive workshop at UMO designed to give Maine's K-12 teachers and environmental educators a hands-on look at (1) freshwater resources, (2) marine resources, (3) fish and wildlife, (4) forestry, and (5) soils and agriculture.

There is limited MACD sponsorships are available.

Check out our website for more information www.maineswcds.org.



Students and staff from Waynflete School in Portland, Cumberland County Soil and Water Conservation District, DEP staff and Forrest Bell and Fred Dillon from Presumpscot River Watch at Cumberland Town Hall after a morning of surveying the East Branch of the Piscataqua River for sources of soil erosion, polluted runoff, nutrients, bacteria and toxics.

LakeSmart

In case you have not heard about LakeSmart. It is the relatively new (in its third year) program that promotes lake friendly landscaping and property maintenance. It involves a site visit by a Soil and Water Conservation District personnel or DEP educator. There are several categories that are evaluated: 1) driveway and parking areas; 2) structures and septic system; 3) yard, recreation areas and footpaths; 4) shoreline and beach area; and 5) the new category for 2005, undeveloped areas. If a homeowner qualifies for the first 4 categories, they receive the LakeSmart Award. If they also qualify for the 5th category undeveloped areas they get additional recognition. An award winner receives two LakeSmart signs (pictured below) and a personalized plaque. If a homeowner qualifies in one to three of the categories, they receive a recognition certification.

Anyone who qualifies for recognition or award is listed on the LakeSmart web site. Want to see the names of the property owners? Go to www.MaineDEP.com and click on LakeSmart.

Want to get LakeSmart going in your watershed? There are several ways-request a site visit, attend a LakeSmart Workshop or initiate a LakeSmart Walk 'N Talk.

Anyone can request a LakeSmart site evaluation by calling Christine Smith or Bill Laflamme at DEP 287-3901 or your county Soil and Water Conservation District - SWCD. A site visit is best done during the summer when the plants are growing and the owner is home. It takes about 1 – 2 hours. The evaluator will ask questions of the owner regarding the septic system, yard maintenance and property boundaries. Next, the evaluator will walk the property to determine the flow of the stormwater and look for possible sources of pollution to the lake. At the completion of the visit the evaluator will give the homeowner general recommendations for improvements.

Keep in mind these site visits are not for enforcement purposes. If there is a visible violation, the evaluator will let the homeowners know and so they can correct the problem without enforcement action. The evaluator will give written recommendations for improvements to the property on the day

LakeSmart

LakeSmart workshops for shoreline property owners is being offered at the following locations this summer. Please encourage people to attend.

All sessions will run from 9:00 A.M. to 2:30 P.M. and will be held in the following locations:

Session #N0523 Waterboro, June 11, 2005, Lake Arrowhead Community Association Clubhouse

Session # N0522 Presque Isle, June 18, 2005, Presque Isle Fish and Game Club

Session # N0524 Belgrade, July 9, 2005, Center For All Seasons

Session # N0525 Farmington, July 23, 2005, Univ. of Maine at Farmington

Session # N0526 Princeton, August 6, 2005, Location TBA

To register J.E.T.C.C., P.O. Box 487, Scarborough, Maine 04070- Tel. (207) 253-8020



of the evaluation. This recommendation sheet will also indicate if the owner has received LakeSmart recognition in one or more of the five categories or the LakeSmart award. Award plaques and signs or recognition certificates will be presented or mailed to the homeowner by DEP or SWCD.

For those who do not feel ready to have someone come to their property, they can attend one of the FREE workshops offered this summer.

New England Grassroots Environmental Fund

Congratulations to the following groups who received funding from New England Grassroots Environmental Fund:

Bangor Area Citizens Organized for Responsible Development - \$1,500

Bethel Area Trails Committee - \$1,500

Brunswick Pesticide Watch - \$1,500

GE Free Maine, Mt. Desert - \$2,000

Grand View Neighborhood Group, Augusta - \$2,000

Littleton Citizens Against Sludge, Littleton - \$2,000

Neighbors for a Safe Dragon, Rockland - \$1,500

For more information about these projects or NEGFF—see www.grassrootsfund.org or (802) 223-4622

New Stormwater Illicit Discharge Manual

Stormwater Illicit Discharge Detection and Elimination Manual is now available.

The Center for Watershed Protection and the University of Alabama, under a grant from the US EPA have produced a comprehensive manual for municipalities that must develop and implement programs to find and correct illicit discharges to their storm sewer system. The manual includes detailed information about creating and managing a program, and a comprehensive guide to field and lab protocols.

The comprehensive manual outlines practical, low cost, and effective techniques for program managers and practitioners to use. The guidelines include details on the types of testing used to detect illicit discharges, information on estimating program costs in terms of capital and personnel expenses, and timelines that estimate how long program implementation will take.

The manual and supporting materials can be downloaded at www.cwp.org/idde_verify.htm

Smart Growth Policies that Protect Water Resources

The US EPA has released a report titled Protecting Water resources with Smart Growth. The report is a compilation of 75 policies designed to protect water resources and implement smart growth. Forty-six of these policies are oriented to the watershed or regional level; the other 29 are targeted for specific development sites.

To download a copy of the report go to www.epa.gov/livablecommunities/index.htm

Model Wellhead Protection Ordinance

Maine Rural Water Association and Maine Drinking Water program have developed a model wellhead protection ordinance to protect groundwater used for public drinking water. Within the state of Maine, there are 559 wells supplying community water systems. With land development expanding around wellheads, the model ordinance is one way for water districts to control land uses that discharge pollutants into groundwater.

For more information contact the Maine Drinking Water Program 287-2070 or Maine Rural Water Association 729-6569.

Poll: Majority Want U.S. Federal Trust Fund for Clean Water

ALEXANDRIA, Virginia, March 7, 2005 (ENS) - More than eight in 10 Americans believe that clean and safe water is a national issue that deserves federal investment, according to a new poll of 900 adults conducted jointly by Republican and Democratic polling firms.

Federal legislation that would create a long term, sustainable, reliable trust fund for clean and safe water infrastructure received support from what the pollsters call "an overwhelming majority" of those surveyed, 86 percent.

More than three-quarters of Americans polled, 77 percent, would rather the federal government invest in water infrastructure than increase spending on entitlement programs, 12 percent.

By 67 percent to 26 percent, Americans prefer spending to guarantee clean and safe water over tax cuts. Results of the poll undertaken jointly by the Luntz Research Companies, and Penn, Schoen & Berland Associates were published Wednesday.

Luntz Research is a polling firm relied upon largely by Republicans. Penn, Schoen's reputation is largely as a Democratic political polling firm, closely associated with both President Bill Clinton's administration as well as the Senate campaign of his wife Hillary. But the firm also worked for Republican Michael Bloomberg in his mayoral bid in New York City,

They found that an overwhelming majority of those interviewed for this survey, 91 percent, agree that "if, as a country, we are willing to invest over \$30 billion dollars a year on highways and more than \$8 billion a year on our airways, we certainly should be willing to make the necessary investments in our nation's rivers, lakes and oceans."

Pollster Dr. Frank Luntz says clean water is an issue that gets support in red as well as blue states. (Photo courtesy [Harry Walker Agency](#)) Commenting on the survey findings, Dr. Frank Luntz said, "I'll be blunt ... this issue is NOT going to go away. This is not simply an environmental issue. It is an issue that is very personal to voters because of the importance of clean and safe water to their daily lives. This is not a local issue because Americans understand that water has no local boundaries. This is one of those areas where Americans demand that Washington take responsibility."

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The survey found that almost nine in 10 of those polled, 89 percent, say that "federal investment to guarantee clean and safe water is a critical component of our nation's environmental well-being." Dr. Douglas Schoen, senior partner of Penn, Schoen & Berland Associates observed, "Environmental issues writ large can sometimes be divisive, but clean and safe water is not seen by voters as a divisive issue. Instead, there is overwhelming support from both political parties for what is seen as a basic need that has to be protected – clean and safe water for our generation and for our children's."

The survey put this question to respondents, "Generally speaking, which of the following programs do you think is in greatest need of a dedicated trust fund that would guarantee federal money to help state and local governments pay for maintenance and improvements?"

Clean and safe water got 71 percent of the positive responses, roads and highways got 20 percent, while airports and aviation got a three percent positive response. This result was found across red states and blue states.

"Taxes, of any kind, are never an easy sell," said Luntz. But, he said, clean water is one area where there is real support for a federal investment.

"When more than 80 percent of Americans say they are willing to open their wallets because they think something is a priority, you know it is important. Americans are sending their lawmakers a clear message," Luntz said, protect our nation's water or risk getting left behind by the voters."

Voters are more likely to vote for Members of Congress who support legislation to create a Federal Trust Fund for clean and safe water, and more likely to vote against those who do not, the survey found.

Nearly eight in 10 voters, 78 percent, describe themselves as more likely to vote for their Member of Congress if they learned he or she supported the trust fund, while 63 percent say they are less likely to vote for their member if they learn that he or she opposed the legislation.

The Bush administration has proposed to cut clean water funding from the EPA's budget for fiscal year 2006 by \$500 million - from \$8.1 billion to \$7.6 billion. Most of this reduction would be achieved by a proposed cut of \$360 million (from \$1.09 billion to \$730 million) to the agency's Clean Water State Revolving Fund (CWSRF) program.

The CWSRF, a loan program that helps local communities repair and replace aging wastewater treatment plants, has been the primary source of federal support for clean water infrastructure projects since its creation in 1987.

Studies by the EPA, the Congressional Budget Office, the Government Accountability Office, and the Water Infrastructure Network estimate a water infrastructure funding gap exceeding \$300 billion over the next 20 years.

Clean fresh drinking water is more important to the majority of Americans surveyed than any other issue surveyed. (Photo courtesy [CSREES](#))

Because of this funding gap, the Association of Metropolitan Sewerage Agencies (AMSA) believes it is untenable for the federal government to cut support for clean water in America.

AMSA is urging Congress to support both full funding for the Clean Water State Revolving Fund in the short-term, and a dedicated trust fund to guarantee clean and safe water in America for the long-term.

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Responding to the Bush budget proposal, AMSA's Executive Director Ken Kirk said, "This proposed cut is the wrong measure at the wrong time. Without a long-term, sustainable federal-state-local partnership, communities will not be able to tackle essential capital replacement projects needed to meet federal Clean Water Act mandates and improve the quality of the nation's waters."

Kirk points out that Congress has established trust funds supported by dedicated revenue sources for highway infrastructure at \$30 billion/year, and airport infrastructure at \$8 billion/year. AMSA believes these trust funds provide a strong precedent for moving forward with a similar fund for clean and safe water.

"Clean and safe water is certainly as important to the nation's economic and public health as our highways and airports," said Kirk.

AMSA, together with other stakeholder groups, will work "aggressively" with Congress and the Bush administration, said Kirk, to ensure full funding for the Clean Water State Revolving Fund and to establish a trust fund dedicated to clean and safe water in America.

United Nations is launching the "Water for Life Decade"

The United Nations is launching the **"Water for Life Decade"** this year, to bring a higher profile to global water issues. As part of this, river enthusiasts from around the world are coming together to participate in the inaugural **"World Rivers Day"** on September 25th, 2005.

In future, this event will take place annually on the last Sunday in September and is intended to be a celebration of the world's waterways. This will be patterned after the highly successful BC Rivers Day in western Canada, which is already one of the biggest events of its kind in the world, attracting up to 75,000 people annually.

World Rivers Day will highlight the many values of our waterways. It will also strive to increase public awareness and hopefully encourage the improved stewardship of rivers around the world. Rivers in every country face an array of threats and the better caring of our rivers and streams is an essential component of any effort to be better water stewards

World Rivers Day Events There are lots of ways that groups and communities can get involved in Rivers Day. Consider planning a local event which can range from stream cleanups and fish enhancement projects to educational outings and community riverside celebrations.

Join the Celebration! To find out more about water issues, and how to get involved with World Rivers Day, visit the Web sites below for more information.

United Nations "Water For Life Decade" Web Site: <http://www.un.org/waterforlifedecade/>

BC Rivers Day Web Site: <http://www.riversday.bc.ca/>

Wonder Of Water Web Site: <http://www.wonderofwater.ca/>



Using Trees to Protect & Restore Urban Watersheds

The Center, in cooperation with the USDA Forest Service, is producing a three-part manual series on using trees to protect and restore urban watersheds. This series is the result of extensive research compiled over the past year and two design workshops held in early 2004 that focused on using trees for stormwater treatment and planting trees in the urban landscape. More than forty local, regional and national experts, including foresters, stormwater engineers, landscape architects, arborists, urban soil scientists, watershed planners and representatives from parks, transportation and utility companies, attended these workshops. Part 1 of the Urban Watershed Forestry has been completed and is available for free download from the Center website. Click here for the full article and to download Part 1 of the Manual: <http://www.cwp.org/forestry/index.htm>

NPS & Stormwater Education & Outreach Conference

Conference Announcement & Call for Papers

4th National Conference - NONPOINT SOURCE AND STORMWATER POLLUTION EDUCATION PROGRAMS
October 17-20, 2005. Holiday Inn Chicago Mart Plaza, Chicago, Illinois

cosponsored by: Chicago Botanic Garden & U.S. Environmental Protection Agency

Runoff pollution begins -- and ends -- with each of us. Also known as nonpoint source pollution (as an unregulated source), stormwater runoff (as a regulated source), or simply "people pollution," solutions rely on people changing behaviors. Quite simply, our messages must be brought before the public, and understood and endorsed by them, before they are motivated to change.

In response to this need for better public appreciation and understanding of nonpoint source pollution, this 4th National Conference on Nonpoint Source and Stormwater Pollution Education Programs will provide a unique opportunity -- at a national scale -- to learn and share ideas on nonpoint source and stormwater education strategies. The conference will explore practical, state-of-the-art examples of successful outreach programs through multimedia sessions. The conference's target audiences include professional staff and volunteers at the local, regional, state, and federal levels involved with education programs relating to nonpoint source, MS4 Phase I and Phase II (stormwater), watershed protection, and TMDLs -- as well as environmental service groups that work closely with adult and youth education programs. Here is your opportunity to meet people with similar objectives and challenges who are concerned about building individual and social capacity to address runoff pollution, and who are working to develop creative information/education programs. Leave your quiet side at home and come prepared to interact!

The conference will emphasize projects that are "process-oriented." Process-oriented projects use social marketing techniques to identify target audiences, key messages, and barriers to behavior change, as well as to effectively evaluate the need for the project as well as its outcomes. Conference topics will include:

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- Identifying educational objectives and overcoming barriers to behavioral change
- Building individual and social capacity for nonpoint source pollution control
- Designing and implementing MS4 Phase I and II public education programs
- Evaluation strategies that measure education program impact
- Innovative utilization of outreach media
- Outreach programs beyond the urban zone (agriculture, forestry, etc.)
- Effective use of demonstrations, special events, and community activities
- Non-traditional outreach approaches
- NPS/stormwater education in K-12 settings

Three specialty pre-conference workshops on Monday, October 17 will explore key education concepts relating to environmental education and outreach programs. The conference registration fee of \$295 includes many meals and social functions. Our conference location and host is the Holiday Inn Chicago Mart Plaza in downtown Chicago, offering exceptionally discounted rates for our group of \$120 single/ \$145 double.

Although many of the conference presentations will be made by invited authors, a portion of the program has been reserved for exceptional contributed papers and posters that are results-oriented and directly relevant to the conference theme. To be considered for the conference program, authors should e-mail an abstract (400 words maximum) that succinctly describes their project and approach. All abstracts must be received by no later than June 17, 2005. Notification of acceptance/rejection is scheduled for July 22, 2005. By submitting an abstract, a prospective presenter agrees to prepare a PowerPoint oral presentation or poster display (indicate your preference with your abstract submission), as well as a manuscript (for oral presenters) for publication in the conference proceedings. Individuals that fail to submit their proceedings manuscript by the September 16, 2005 deadline will forfeit their opportunity to present at the conference. Authors of contributed papers and posters will be expected to cover all of their travel costs, as well as the conference registration fees.

The second and third National Conferences, held in May 2001 and October 2003 and also cosponsored by the U.S. EPA and the Chicago Botanic Garden, were tremendous successes and received high praise from those attending. If you attended either of those events, no coaxing on our part is likely needed. But if you didn't attend these recent conferences, please consider joining us this year!

To receive future conference announcements, and to submit your abstract for consideration (via e-mail), contact: Bob Kirschner, Chicago Botanic Garden, 1000 Lake Cook Rd., Glencoe, Illinois, 60022; e-mail: bkirschn@chicagobotanic.org



Maine Coastal Program

Watershed grants awarded. The Maine Coastal Program with representatives from the Maine Coastal Program, Maine departments of Environmental Protection and Marine Resources, and the University of Maine Cooperative Extension/Sea Grant, selected nine projects for funding for the 2005 Maine shore stewards priority watershed nonpoint source pollution grants. They include:

- Friends of Casco Bay to develop a protocol for sampling stormwater runoff
- Friends of Scarborough Marsh to initiate a water quality monitoring effort in Mill Brook, a tributary of the Scarborough River
- Great Works River Watershed Coalition to assess water quality impacts to the Salmon Falls River and Piscataqua Estuary.
- Kennebec County Soil and Water Conservation District to assist the towns of China, Palermo, Windsor, and Whitefield within the Sheepscot watershed with runoff.
- Mid-Coast Regional Planning Commission to assist the town of Cushing to watershed-based planning.
- Town of Milbridge to assess municipal sewage discharges that may be affecting the shellfish harvesting areas and success of the Atlantic Salmon in the Narraguagus River.
- Town of Brunswick to conduct an assessment of the relationship of nitrogen and green macroalgae in the upper New Meadows River.
- Sheepscot Valley Conservation Association to expand its efforts in non-point source pollution prevention, land protection, GIS mapping support, water quality monitoring and comprehensive planning support.
- College of the Atlantic for the Union River Watershed Coalition to implement an improved water quality monitoring program

Essential Habitat Update

Effective March 16, 2005, areas designated under Maine's Endangered Species Act as "Essential Habitat" have been updated. Eighty-five new bald eagle nest sites have been added, 26 previously designated sites have been deleted, 3 have been remapped, and 3 have been relabeled. Consequently, **all previous versions of maps, indexes, and supporting documents are no longer current.**

ESSENTIAL HABITAT ONLINE!

The current Essential Habitat regulation is accessible on MDIFW's website at www.mefishwildlife.com. A direct link to Essential Habitat can be found at the bottom of the homepage's left-hand side bar. In addition to the maps and Boundary Line Detail Photos, the webpages include the rule text, an index to Essential Habitats by town, an outline of the review process, a *Request For Project Evaluation Form*, Issue Profiles, MDIFW contacts, and information on Maine's endangered and threatened species. **You may also sign up to receive automatic email updates for Essential Habitat maps and information.**

For GIS users, Essential Habitat information is available for downloading from the Maine Office of GIS at <http://megis.maine.gov/>. Click on the "Data Catalog" link on the right-hand sidebar, choose the "Single" tab, and select the three "eh" files (eh eagle, ehplvtrn, and ehrtern) for complete coverage.

We hope the availability of Essential Habitat information via computer will significantly improve your ability to access this information and remain current on rule changes. **Users who do not have computer access will still be able to request hardcopies of maps and supporting documentation.** If you wish to receive map order forms or be notified of updates to Essential Habitat by ground mail, please

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send your name and mailing address to: Attn: Essential Habitat, Maine Dept. Inland Fisheries and Wildlife, 650 State St., Bangor, ME 04401.

A REMINDER!

The Maine Endangered Species Act allows for protection of habitats essential to the conservation of endangered and threatened species. Under this provision, over 450 sites throughout Maine are currently designated as "**Essential Habitat**" for bald eagles, roseate terns, piping plovers, and least terns. Knowledge of these sites is important to your agency because state agencies and municipal governments shall not permit, license, fund, or carry out projects that will significantly alter an Essential Habitat or violate protection guidelines adopted by the Department of Inland Fisheries and Wildlife. If there are projects in a mapped area that are under review or being proposed or funded by your agency, please contact the appropriate MDIFW Regional Wildlife Biologist.

WE WANT FEEDBACK!

Please email us at essential.habitat@maine.gov with comments, problems, errors, suggestions, or appropriate contacts for your agency to ensure Essential Habitat information is easily accessible to you and meets your needs.

South Perley Brook Restoration

Waterbody Name: South Perley Brook
Location: Ft. Kent – Aroostook County
Waterbody Status: NPS Priority Watershed
Project Grantee: St. John Valley SWCD
Project Duration: November 2001 - December 2004
319 Grant Amount: \$54,000
Local Match: \$36,000 (ME Dept. Ag.), \$68,463 (local)

PROBLEM:

Perley Brook's water quality is presently threatened with nutrient loading from several agricultural fields and pastures, primarily due to run-off from both livestock and row crop activities. Approximately 52% of the watershed is estimated to be in agricultural production activities.



Cattle access to stream.

A survey of the major NPS sources, including agriculture and associated roads was conducted in the spring & summer of 2001. Five major landowners within the 2000+ acre watershed are producing potatoes with a grain rotation, and beef. The livestock have been allowed access to tributaries and other sensitive areas and there are inadequate manure storage facilities. In addition, the lack of winter cover on the potato ground can result in both soil and nutrient export.

PROJECT DESCRIPTION:

Working with the Natural Resource Conservation Service, the St. John Valley SWCD contacted and worked with area landowners in designing site-specific erosion and nutrient control BMPs for six sites. As this project developed the District also worked with the Maine Dept. of Agriculture in assisting a landowner with a separate grant application. The District also worked to install additional BMPs as EQIP

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funds became available, freeing up 319 funds for other BMP work as well as a watershed survey of the remaining section of South Perley Brook.



After cattle exclusion.

The following BMPs were constructed: cattle exclusion fencing and alternative water sources, heavy use areas and manure/waste storage pits on two separate farms, dam outlet stabilized, culvert replacement and armoring/rip rap, and winter cover.

PROJECT OUTCOMES:

- Six significant NPS sites were treated with nine different BMPs.
- By tapping into Federal EQIP funding, the value of the project increased by \$22,795.
- A brochure entitled "South Perley Brook Water Quality Project" was produced and distributed.
- Load reduction estimates for four of the BMPs are 97.5 tons of sediment/year, 118.31 lbs/yr of phosphorus, 190 lbs/yr of nitrogen and 1,088 lbs/yr of chemical oxygen demand (COD).

- The project built momentum in the watershed and led to further BMP implementation in 319 project #2004R-23.

FMI contact Heidi Royal, St. John Valley SWCD – (207) 834-3311, heidi.royal@me.nacdn.net, sjv.me.nacdn.net



Crop land erosion.

Resources Available

Tripp Lake Watershed Management Plan is available on the web. This is a great example http://www.maine.gov/dep/blwq/docgrant/319_files/examples.htm

Stormwater BMP Manual, up dated. FMI contact Marianne Hubert at MDEP 287-4140 or marianne.e.hubert@maine.gov

Annual Report of 25 National NPS Monitoring Projects is at: <http://www.bae.ncsu.edu/programs/extension/wqg/04rept319/indexframe.html>

Urban Environmental Design Manual. Developed by Rhode Island Department of Environmental Management. <http://www.state.ri.us/dem/programs/bpoladm/suswshed/Pubs.htm>

Web page listing Federal Grants <http://www.grants.gov/> Grants.gov allows organizations to electronically find and apply for competitive grant opportunities from all Federal grant-making agencies. Grants.gov is THE single access point for over 900 grant programs offered by the 26 Federal grant-making agencies.

Legislative updates from the past session can be found at <http://www.maine.gov/dep/blwq/legis99.htm>



June 3-4, 2005. New England Chapter of the North American Lake Management Society Annual Meeting. Plymouth State University, Plymouth NH. FMI www.nalms.org/necnalms

June 10, 2005. Annual Androscoquin River Conference.

June 14, 2005. Community Problem Solving Through Collaboration: Identifying Opportunities, Assessing Prospects, Taking Action", to discuss innovative and inclusive processes for solving difficult problems in our communities. FMI Jodi Castallo, New England Environmental Finance Center USM-Muskie School of Public Service, 207-228-8544 or jcastall@usm.maine.edu

June 25, 2005. 20th Annual Maine Lakes Conference. University of Maine at Farmington. FMI Maine
COLA 1-877-254-2511 or email info@mainecola.org or www.mainecola.org

July 14-15, 2005. Lake Restoration Conference. Portland. FMI <http://www.iwr.msu.edu/ucowr/>

July 18-21, 2005. StormCon—The North American Surface Water Quality Conference & Exposition.
Orlando FL. FMI www.StormCon.com

August 17, 2005. Maine Beach Conference. York County Community College. FMI Kristen Whiting-Grant at Maine Sea Grant Extension for more information: 207-646-1555 x115 or kristen.whiting-grant@maine.edu

September 19-22, 2005. 13th National Nonpoint Source Monitoring Workshop. Raleigh, NC. FMI
http://www.ncsu.edu/waterquality/nmp_conf/

September 25, 2005. World Rivers Day. FMI United Nations "Water For Life Decade" Web Site:
<http://www.un.org/waterforlifedecade/>

October 17-20, 2005. 4th National Conference - NPA & Stormwater Pollution Education Programs.
Holiday Inn Chicago Mart Plaza, Chicago, Illinois.. FMI [http://cfpub2.epa.gov/npdes/courses.cfm?
program_id=0&outreach_id=238&o_type=1](http://cfpub2.epa.gov/npdes/courses.cfm?program_id=0&outreach_id=238&o_type=1)

November 3, 2005. State of the Bay Conference. South Portland. Hosted by Casco Bay Estuary Partnership. FMI 780-4306, cbep@usm.maine.edu or www.cascobayestuary.org

✕ This newsletter is prepared especially of those involved in nonpoint source pollution issues. It is
✕ funded through an EPA 319 Clean Water Act Grant. If you have any announcements, comments or
✕ items for the Nonpoint Source Times, or if you would like to be added to the mailing list, please call
✕ or write:

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Clean water starts with you!



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